



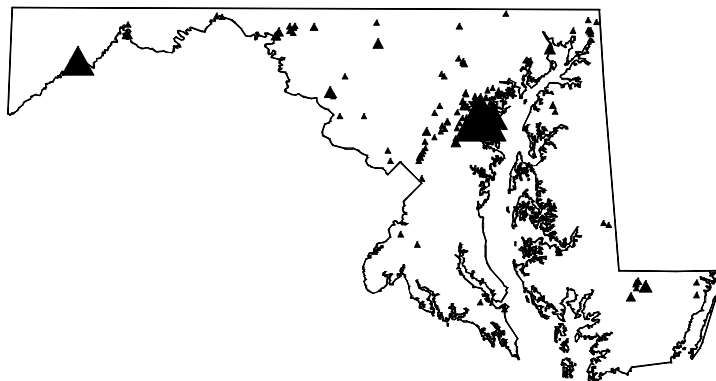
1997 TOXICS RELEASE INVENTORY

MARYLAND

State/TRI Data

| | |
|------------------|-----------|
| Population | 5,094,924 |
| Square Miles | 9,775 |
| Total Facilities | 193 |
| Total Forms | 594 |
| Form As | 132 |

| | |
|--|------------|
| National Rank for Total On- and Off-site Releases <i>(includes transfers out-of-state for disposal)</i> | |
| Rank | 36 |
| Pounds | 13,699,344 |
| National Rank for Total On-site Releases <i>(includes quantities released at the facility; excludes quantities transferred to other sites for disposal)</i> | |
| Rank | 35 |
| Pounds | 12,516,769 |
| National Rank for Total Releases within State <i>(excludes transfers out-of-state for disposal)</i> | |
| Rank | 35 |
| Pounds | 13,305,703 |
| National Rank for Production-related Waste Managed | |
| Rank | 38 |
| Pounds | 87,576,899 |



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of Maryland. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

Reported Releases and Waste Management Activities

| | Pounds |
|---|-------------------|
| On-site Releases | 12,516,769 |
| Air Emissions | 7,843,147 |
| Surface Water Discharges | 2,026,236 |
| Underground Injection Class I Wells | 1 |
| Underground Injection Class II-V Wells | 0 |
| On-site Land Releases to RCRA Subtitle C Landfills | 15 |
| Other On-site Land Releases | 2,647,370 |
| Off-site Releases (Transfers Off-site to Disposal) | 1,182,575 |
| Total On- and Off-site Releases | 13,699,344 |
| Recycled On-site | 13,446,585 |
| Recycled Off-site | 5,172,039 |
| Energy Recovery On-site | 15,084,938 |
| Energy Recovery Off-site | 1,112,858 |
| Treated On-site | 29,935,385 |
| Treated Off-site | 9,324,872 |
| Quantity Released On- and Off-site | 13,500,222 |
| <i>(excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)</i> | |
| Total Production-related Waste Managed | 87,576,899 |
| Total Non-production-related Waste Managed | 103,173 |

Top Five Chemicals for Total Releases In State

| CAS Number | Chemical | On-site Releases | | | | | | Off-site Releases (Transfers Off-site to Disposal) | | | Total Releases in the State* |
|--|------------------------|------------------------------|--------------------------------|------------------|---------------------|---------------------------------|-----------------------------------|---|-----------------------------|-----------------------------|---------------------------------|
| | | <u>Underground Injection</u> | | | | <u>On-site Releases to Land</u> | | Transferred Into State | Transferred Within State | Transferred Out of State | |
| | | Air Emissions | Surface Water Discharges | Class I Wells | Class II-V Wells | RCRA Subtitle C Landfills | Other On-site Land Releases | | | | |
| | | Pounds | Pounds | Pounds | Pounds | Pounds | Pounds | Pounds | Pounds | Pounds | Pounds |
| 463-58-1 67-56-1 1330-20-7 | Manganese compounds | 28,886 | 169,664 | 0 | 0 | 0 | 2,145,336 | 1,933 | 36,692 | 28,068 | 2,382,511 |
| | Nitrate compounds | 10 | 1,746,475 | 0 | 0 | 0 | 88,199 | 87,000 | 1,870 | 6 | 1,923,554 |
| | Carbonyl sulfide | 1,349,000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,349,000 |
| | Methanol | 852,882 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 852,889 |
| | Xylene (mixed isomers) | 639,006 | 9 | 0 | 0 | 0 | 0 | 260 | 1 | 0 | 639,276 |

*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



1997 TOXICS RELEASE INVENTORY

MARYLAND

Top Five Facilities for Total On-site Releases

| Facility / City, County | On-site Releases | | | | | | Total On-site Releases* | Off-site Releases (Transfers Off-site to Disposal) | |
|---|-----------------------|--------------------------|---------------|--------------------------|---------------------------|-----------------------------|-------------------------|---|--------------------------|
| | Underground Injection | | | On-site Releases to Land | | | | Transferred Within State | Transferred Out of State |
| | Air Emissions | Surface Water Discharges | Class I Wells | Class II-V Wells | RCRA Subtitle C Landfills | Other On-site Land Releases | | | |
| | Pounds | Pounds | Pounds | Pounds | Pounds | Pounds | Pounds | Pounds | Pounds |
| Millennium Inorganic Chemicals, Baltimore, Baltimore City | 1,116,911 | 150,000 | 0 | 0 | 0 | 1,330,000 | 2,596,911 | 0 | 0 |
| Grace Davison, Baltimore, Baltimore City | 225,125 | 1,309,261 | 0 | 0 | 0 | 0 | 1,534,386 | 8,127 | 31,360 |
| Westvaco Corp., Luke, Allegany | 1,462,955 | 0 | 0 | 0 | 0 | 5,901 | 1,468,856 | 248,500 | 0 |
| Bethlehem Steel Corp., Sparrows Point, Baltimore | 127,105 | 98,400 | 0 | 0 | 0 | 1,048,700 | 1,274,205 | 0 | 141,250 |
| General Motors Corp., Baltimore, Baltimore City | 659,384 | 1,253 | 0 | 0 | 0 | 0 | 660,637 | 270 | 19,201 |

*The facility ranking is based on the amounts in this column.

Top Five Facilities for Total Quantity Released On-site and Off-site

| Facility / City, County | Recycled On-site | Recycled Off-site | Energy Recovery On-site | Energy Recovery Off-site | Treated On-site | Treated Off-site | Quantity Released On- and Off-site* | Total Production-related Waste Managed | Total Non-Production-related Waste Managed |
|---|------------------|-------------------|-------------------------|--------------------------|-----------------|------------------|-------------------------------------|--|--|
| | Pounds | Pounds | Pounds | Pounds | Pounds | Pounds | Pounds | Pounds | Pounds |
| | | | | | | | | | |
| Millennium Inorganic Chemicals, Baltimore, Baltimore City | 0 | 0 | 0 | 0 | 3,800,000 | 0 | 2,602,503 | 6,402,503 | 0 |
| Westvaco Corp., Luke, Allegany | 0 | 0 | 13,311,500 | 0 | 2,143,000 | 1,951,700 | 1,715,620 | 19,121,820 | 0 |
| Grace Davison, Baltimore, Baltimore City | 5,846,000 | 0 | 0 | 0 | 5,143,000 | 0 | 1,574,103 | 12,563,103 | 0 |
| Bethlehem Steel Corp., Sparrows Point, Baltimore | 0 | 27 | 0 | 0 | 0 | 0 | 1,413,700 | 1,413,727 | 0 |
| General Motors Corp., Baltimore, Baltimore City | 0 | 662,670 | 0 | 0 | 165,822 | 6,731 | 689,022 | 1,524,245 | 0 |

* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

For More Information...

State Contact:
Patricia Williams
(410) 631-3800
Fax (410) 631-3873

EPA Regional Contact:
Bill Reilly
(215) 814-2072
Fax (215) 814-3114

To obtain TRI data use assistance, call TRI User Support Service (TRI-US):
(202) 260-1531
Fax (202) 401-2347